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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A health supplement composition for mammals for improving memory and cognitive abilities comprising:

at least one phosphoester in a daily amount of between approximately 500 mg and approximately ~~26.8 g~~ 10,000 mg; and

at least one herbal antioxidant comprising a daily dosage of between approximately 1 mg and approximately 5 mg of barberry, between approximately 20 mg and approximately 50 mg of bilberry proanthocyanidins, between approximately 50 mg and approximately 100 mg of lemon bioflavonoids, between approximately 50 mg and approximately 100 mg of lime bioflavonoids, between approximately 50 mg and approximately 100 mg orange bioflavonoids, between approximately 400 mg and approximately 600 mg of curcuma, between approximately 0.1 mg and approximately 1 mg of garlic bioflavonoid, between approximately 25 mg and approximately 100 mg of ginkgo biloba, between approximately 5 mg and approximately 100 mg of ginseng, between approximately 50 mg and approximately 100 mg of gotu kola, between approximately 175 mg and approximately 250 mg of grape seed proanthocyanidins, between approximately 100 mg and approximately 500 mg of red apple quercetin, between approximately 100 mg and approximately 500 mg of red onion quercetin, and between approximately 100 mg and approximately 400 mg Siberian ginseng;

wherein said use on mammals comprises prevention or treatment of illnesses or conditions selected from the group consisting of a condition requiring memory improvement, cognitive improvement, AIDS-associated dementia, Alzheimer's disease, benign senile forgetfulness, Down's syndrome-associated dementia, Lewy body dementia, multi-infarct dementia, multiple sclerosis, Parkinson's disease-associated dementia, tardive dyskinesia, Wernicke-Korsikoff syndrome, and alcoholism-associated dementia.

Claim 2 (previously amended): The composition of claim 1 wherein said at least one phosphoester is selected from the group consisting of phosphatidylcholine, phosphatidylserine, phosphatidylethanolamine and phosphatidylinositol.

Claims 4-5 (cancelled)

Claim 9 (previously amended): The composition of claim 1, wherein said composition comprises at least one application method selected from the group consisting of parenteral, rectal, and topical administration.